Things You will be Interested to Read About

How Women May Ride the "CHARLEY HORSE" Machine to Melt FAT

sue! "Charley horse" would have an marks a veteran trainer. odd sound in a fashionable drawing. It does away with the old-fashhis athletic and baseball news it is at rolling over the floor. Besides it is one of these strenuous young men in out requiring exercise or dieting.

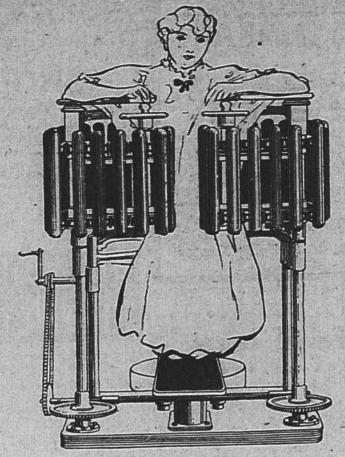
the big cities of America are either the circumference of the body. inclined to stoutness, are frankly Dr. Carleton Simon, "is a lazy man's overweight or distressingly embon- pastime, and should be ideal for indopoint. That is to say, FAT, as ex- lent, overfed women. It is the direct pressed in ampitudinous silhouette, exertion that makes exercise effecbillowy curves and cascading chins; fibre and the mental process back of for, declares this writer, overeating, it. For you must remember that the

HINK of some society women, pered woman." And to these ladies opulent in purse and person who are trying to stay the onslaught alike, and supplied with a choice of fat by special treatment the of automobiles, being compelled to "Charley horse" machine must come seek the aid of a "Charley horse" ma- like a rotary blessing. "It can roll chine for the reduction of their in- off the fat just as easily as you would creasing or too abundant adipose tis- peel off the layers of an onion," re-

room, but to the man who daily reads ioned indoor training for the fleshy in bis athletic and baseball news it is at tidier. It is a machine that will do once suggestive of the training camp one's exercising for her without exand active field. The term is used to ertion on her part. It has been tried denote a condition arising from out in a Chicago hospital. Its primbruised muscles among athletes, and ary purpose is to reduce weight with-

The patient stands on the platridding himself of his affliction by form, which is raised or lowered so the new method usually refers to the that the rollers will inclose her about operation as "rolling away my Char- the hips, stomach or shoulders, as desired. An ingenious crankshaft ar-A recent European observer states rangement makes it possible for the that more than half of the women in rollers to be adjusted closely around

"Exercising without exertion," says



Showing the Operation of a Fat-Reducing Machine. Two Sets of Vertical Cylinders Turn so as Alternately to Jostle the Body, Which Is Held in Place by Bands at the Back. This Type of Machine Shows Operating Handle, but They Are Commonly Run by Motors.

and soda fountain sweets are factors taining any particular physical con- horse, which is merely a negative that he would attain by hard road mer homes, bodies of fresh water. scales which protect other fishes. It is stated that the cost is only They do not spawn there are the first their an eel causes death almost immediate the range of the "pam-"You may roll away a 'Charley lete or a boxer into the condition tor power for his own machine and ring instinct teaches them that their an eel causes death almost immediate roll are recorded by the results of the spawn there are recorded by the r in determining what is likely to be- dition as the mere mechanical action. condition, but you cannot roll an ath- work, where he is furnishing the mo-

One of Many New MECHANICAL Means of Reducing Flesh and How Most Remarkable knowing that he was being condiknowing that he was being conditioned by his own personal effort and It Is Operated

not by a machine under which he

"Fat, as a matter of fact, is a sort boxer." of 'Charley horse' to pink-of-condition feminine beauty; and this fact University was the first to try it out. should reconcile otherwise punctil- Coach Stagg is quoted as saying ious ladies, who stand on polite cere- his men have had no permanent horse' machine which comes from was installed.

The athletic department of Chicago

Curious FACTS About the EEL

the naturalist a long time to make this discovery. Centuries passed, able, of course, such as dams and the slightest deviation, regardless of indeed, before any of the wise men like, but the eel host surmounts them, mountains, swamps and forests. knew that eels produced eggs.

days of Aristotle, and prized as food, proper conditions for spawning. have been set up along the entire line, but that astute scholar taught that

The eggs are minute and number—at points visible from each other; they were without sex and produced less. Millions of them perish as food generally at distances of three or rubbed themselves against the rocks, fresh water in the spring. thereby scraping particles of slime In the meanwhile, eels which have The boundary is 600 miles long, and from their skins which developed into not felt the resistless call of the salt is marked by about 200 monuments.

ist, an Italian, by the way, identified of comparative inactivity. a female eel. He taught that the It took science a long while to dis-young were born alive from their cover that these peculiar fishes have ing of Aristotle.

The great migration begins when taken into the stomach.

These fish were well known in the ground for long distances, until at through timber and brush a 20-foot length the taste of salt assures of clearing has been made. Monuments

spontaneously from the earth's en- for fishes. But millions survive, de- four miles. At important points these trails. Pliny agreed with him as to velop, became eels and join the vast monuments are five-foot shafts of their sex, but affirmed that they horde that instinct drives back to aluminum bronze, weighing, 300

It was not until 1877 that a natural- bottoms of the streams for a winter

mothers. More than a hundred years scales. Even now, the ordinary peraterwards, another man of science son is hardly prepared to credit them succeeded in detecting a male eel, with such protection. And yet the erto have been considered as belongsucceeded in detection with sach protection. And yet the teach scales actually exist. Being minute ing exclusively to iron and steel. One in size and imbedded in the thick of the interesting illustrations of this Knowledge of eels advanced so skin, they are quite invisible, but slowly for the simple season that they furnish, nevertheless, an armor they were studied only in their sum- quite as effective as do the larger buoy at Kingston, Jamaica.

eggs need the stimulation of brackish diately. This should deter no one To prevent the mooring chain from water to develope them into activity. from eating the fish, however, for injuring the bottom of the buoy the Every fall, therefore, the eels of the heat of cooking destroys the toxic latter is made concave. The manhole the world, at least such of them as properties of its blood and besides, cover was grouted into its place after are not sterile or too young, seek the that blood is practically harmless the buoy was affoat. Leakage is

of Boundaries

THE demarcation of the Alaska-Canada boundary from the St. Elias range straight north along the list meridian to the Arctic mony, to the use of the "Charley "Charley horses" since the machine ocean has been in progress since 1907, and is reported to have been completed during last summer.

This undertaking was notable for several reasons. No other modern boundary demarcation has extended about the middle of August. From into such high latitudes, and few velop in fresh water. It took every little pond and stream they boundaries of equal length anywhere issue, following the downward cur- in the world are so straight; the line rent. There are obstacles innumer- follows the meridian without the

Wherever the boundary passes

Making a Concrete Buoy D E-ENFORCED concrete during

fact is the construction of a concrete

handled by means of a pump-hole.

Why the Right Time to DRINK WATER Is When You Are THIRSTY THE proper time to drink water gastric and other digestive juices, abled men to actually see the diges-

and so hindered the mastication and the edict of our physicians, although to the introduction of the water.

ing that water, when introuced into tice.

is when one is thirsty, no mat- so essential to the digestive process, tive mechanism at work or to appre- quickly, and, contrary to the time-

least, is the present position of the a quantity of water in the stomach the digestive process is concerned, left to the action of the gastric juice. more progressive of the medical fra- actually flushed that organ, and that the principal effect of water is to Once in the intestines, water matethe food was thus carried on into the greatly stimulate the flow of that rially retards the development of the The old superstition which forbids intestines before the digestive essential fluid, the gastric juice. No bacteria there. It thus becomes an water at mealtime passes. It was a changes that should be brought about other agent in our food does this so important agent in lessening the masuperstition which had much show of had been satisfactorily inaugurated. quickly or as effectually. More sig- levolence of the micro-organisms view to improving the mentality of reason, to be sure. It seemed quite On these grounds, to which the rificant still, the gastric juice thus which produce putrefaction. evident that the drinking of water layman could not demur, we were secreted has a higher concentration. These are the facts which convince with meets unduly diluted the food condensed to the facts which convince

The doctors seemed correct in stat- tite-just as the doctors did in prac- most important of the reagents which lar waste, of course, for it stimulates nature uses in transforming food into the secretion of gastric juice, no mat-

is when one is thirsty, no matter under what conditions the the under what conditions the thirst may arise or when. Such, at It was confidently stated, too, that It now develops that, in so far as tity of the solids there. These are

with meals unduly diluted the food condemned to thirst at mealtime by of acid than that produced previous medical men that water best aids in the digestive plan when it is taken had a short, flat skull, sloping away insalivation that are essential to its it is pretty safe to say that the ma- That is to say, water is quite es- with meals. If consumed at other

Breeding PIGEONS to Develop Their CLEVERNESS

tering the shape of the skull of this variety of pigeon with a

The homing pigeon hitherto has behind. Now, as a result of selective proper preparation for the stomach. Jority of us heeded the voice of appe- sential to the free production of the times it causes more or less glandubreeding, it is acquiring an elongated improvement of its intelligence accomplished by this means is declared to be surprising. Its brain is bigger and has more room for thoughts.

mouse," to be sure, but the chalk was Dentistry seems to have been practive the base of the powder, just as it is tised on this side of the ocean almost it is intelligence and memory—though, if the base of the tooth powders of the as early as in Europe or Asia It is robes." Being written of an elFor instance, there is in the archae. the base of the powder, just as it is in the standard of the base of pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote that home very pleasant nor pointe, attnough in both antiquity so remote the pleasant nor pointe, attnough in both antiquity so remote the pleasant nor pointe, attnough in both antiquity so remote the pleasant nor pointe, attnough in both antiquity so remote the pleasant nor pointer that the pleasant nor pleasant nor

No other kind of animal has ever = been subjected to such severe "breedinteresting list of large refractors and physical, which are demanded. tion or already set up in observa- a steady and progressive improvetories. The largest working objective ment. Only a few years ago a homing is that of the Yerkes Observatory in flight of 500 miles in a day was thought phenomenal; today flights Of the refractors under construction of 600 or even 800 miles in 24 hours

Most folk are sceptical of snake authenticity of some of the big claims by telling of a boastories, for the queer but well grounded psychological reason that when dealing with such a subject the mind of the ordinary person feet the mind of the ordinary person a series of remarkable adventures in late and others who seemed to servatory. Johannesburg: three 24-some days being required, however, inch for the following observatories: to cover the distance. It should be rivers, towns, and the general constrictor about 60 feet long.

Like the farmer who beheld a camel to cover the distance. It should be rivers, towns, and the general constrictor about 60 feet long.

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Like the farmer who beheld a camel doba, Chili National Observatory, on the daytime, resting at night. But the daytime, resting at night constraint of the daytime, resting at night constraint of the daytime, resting at night. But the daytime, resting at night constraint of the terrain.

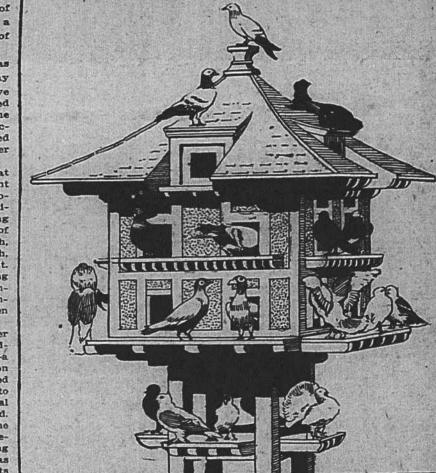
Some days being required, however, to cover the distance. It should be rivers, towns, and the general constraint of the terrain.

Like the farmer who beheld a camel the form of the terrain.

Like the farmer who beheld a camel the daytime, resting at night constraint of the daytime, resting at fect the mind of the ordinary person plorer, coming for the first time from there were many travelers, naturalis prone to lapse into wild exaggeration. But here we are able to give
the picture of an actual exhibit, which
the picture of an actual exhibit to the world with the enthusiant tory, Michigan, U. S. A., and a 20tinch for the Chabot Observatory, Oaktravels a far greater distance than tance because it lacks the requisite proformances, it is always, and so on.

The characteristic picture of the picture of th On the other hand, there were some mon's 60-inch (silver on glass), now which it passes and looking for fami-leave nest and young to get back to The latter has been derived through

tribution to the debate is carefully two giants are in hand, namely, one not find its home by "instinct," but will fly home, and in no other direc- and the swift smerle.



A Homing Pigeon House. This Type of Pigeon Loves Home. It Is Upon the Strength of This Instinct That Its Usefulness Always Rests.

in South African jungles. Our con- Of the reflectors under construction, eyesight—comes in. The bird does from its home to another place. It carrier, the dragoon, the owl pigeon,

who upheld the story, notably men at the Harvard Observatory, U. S. A., Har landmarks to guide it.

This is where memory—as well as A homing pigeon cannot be sent varieties, chief among which are the

more remarkable illustration than

it practical for commercial use. and there is no danger from a misfire largest sizes are imported. It is pre-Bagu are filled with a special form as the oxygen will evaporate in a dicted that the general temperance movement will decrease both outputs.

the stomach with food, diluted the All this was before science had en- life. How DENTISTS Made TEETH BRIDGES Thousands of Years Ago is bred by man for the improvement

robes." Being written of an el- as old as the toothache. pleasant nor polite, although in both antiquity so remote that none vent- 20th century.

knows that bones and ivory are no tain maladies.

roots; vulsellum, for removing debris,
ing out" as the homing pigeon—a
longer used in the construction of Nine hundred years later, in 400 of bone and tooth, and the specillum,
world's Biggest Telescopes process which in its case, carried on
satisficial teath. But even this knowlB. C. to be exact. Hippocrates pre- a sort of probe. artificial teeth. But even this knowlartificial teeth. But even this knowledge hardly prepares the average scribed "dill, anise seed and myrh
Nevertheless, no matter how meaevery individual that has failed to artificial teeth. But even this knowl- B. C. to be exact, Hippocrates pre- a sort of probe.

HE lays down her teeth at night There are some facts, indeed, which would have it mixed with "the head skill that challenge wonder as well as just as she lays down her silken lead one to suspect that it is almost of a hare" and the "intestines of a admiration. ns old as the toothache. mouse," to be sure, but the chalk was Der For instance, there is in the archae the base of the powder, just as it is tised

respects it is superior to another by ures to locate its place in time. Its must have a big chest, with strong flight-muscles; also broad tail feath-the same author, which reads: "She principal decoration represents a not as well equipped with instru- At any rate, pre-Columbian skulls flight-muscles; also broad tail feaththe same author, which reads: "She principal decoration represents a not as well equipped with listed at the day—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. Yet anaffects reality by wearing false teeth dentist in the act of extracting a ments as the dentist of today—at from both Ecuador and Mexico are in ers, and long, broad wings. made of bones and Indian ivory."

patient's tooth.

Most people would probably ascribe

As far back as 1300 B. C. the phyto Celsus, his outfit consisted of with gold, and in some instances
eyesight.

No other essentiation of the modthese sayings to some ill-natured with sician, Asklepios, recommended that tweezers, corresponding to the modprecious stones. of today, were it not that everybody the teeth should be extracted for cer- ern forceps; phizagra, to extract

person for the statement that the epi-grams quoted are almost 2000 years cure of "Slack and unhealthy gums." plished some feats quite comparable grams quoted are almost 2000 years cure of black, which are demanded.

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Interesting list of large retractors and physical the poet Martial in the first century is one of the commonest of the den- In the various museums of Rome and Greece there are many specimens of

Evidently, therefore, dentistry is by The same ancient authority recom- ancient crown and bridge work that a modern profession, mended chalk for the teeth. He betoken a knowledge and mechanical

How the SNAKE Eats Objects BIGGER Than Himself the following may be mentioned: A are not very uncommon. In one recent instance a "homer" Busglat a 25-inch for the Union Oh- decomplished of Sight of 1900 miles. OST folk are sceptical of snake authenticity of some of the big claims by telling of the killing of a boa- servatory, Johannesburg; three 24- —some days being required, however,

will go far toward establishing the fair, he aroused widespread criticism had superheated his judgment. (metallic speculum), while Dr. Com- detours, scanning the country over ing-so much so, indeed, that it will is the "homer" that carries messages.

of this species are capable. match the monster of the Amazon, 38 refractors and 40 reflectors. still it is within reaching distance of it, so to speak; it is fully 48 feet in California has the world-wide repulse for handling this oxygen that makes off than by most other explosives, yearly in the United States, but the length, just 12 feet short of confirm- tation of fathering the most daring ing the Lange story. And what is 12 engineering projects in the world in

Wisconsin, U. S. A.

the following may be mentioned: A are not very uncommon.

drawn from a photograph, and shows of 100 inches for the Mt. Wilson Solar by its remembrance of landmarks—tion. At first it is trained for short The processes of evolution as modia Java tiger snake after it had swal- Observatory, and one of 72 inches for

lowed a wild boar weighing more than the Dominion Observatory, Canada. safely tucked away, and when the mea, and two of 30 inches, one for the ordinary thickness of the reptile is Helwan Observatory, Egypt, and the compared with it one realizes the other for Mr. D'Esterre's Observatory, enormous distension of which snakes Surrey, Eng. It is interesting to note that the number of instruments in While this Java glutton does not each list is about the same, namely,

Others under construction are a 40The bulge shows where the boar is inch for the Simeis Observatory, CriThe bulge shows where the boar is inch for the Simeis Observatory, Cri-T has long been known that liquid the liquid oxygen for a few minutes fantalls, pouteurs, tumblers, and the

oxygen mixed with substances like oxygen for a few minutes rest—are descended from one original function wool forms a powerful exploite, but serious difficulties were slowly, but if detonated it explodes encountered in its practical use. A with the force of dynamite, and the new method has now hear discovered. new method has now been discovered cost is much less.

when it comes to the acceptance the way of electrical generation and of lampblack, which are soaked in short time. transmissios. Tiger Snake and Wild Boar. Puzzle: Find the Boar. of a first-rate, ripping good story?